

SCHOTT MIRONA® – Semi-Transparent Mirrored Glass

Technical Data Sheet

Processing: Thermally strengthened glass/thermally tempered safety glass/laminated safety glass/insulating glass

MIRONA® is a mineral glass that has been coated on one or on both sides with an optical interference layer to enable a defined reflection and transmission. MIRONA® is available in extra-clear low-iron float glass or grey float glass. On customer request, MIRONA® semi-transparent mirrored glass

can be supplied as thermally tempered or processed into laminated safety glass. MIRONA® glass can be cleaned using a normal glass cleaning agent or a towel that has been moistened with a 1:1 mixture of denatured alcohol and water.

Product advantages

- Homogenous appearance with respect to reflection and transmission
- Low absorption losses
- Reflects an elegant, silvery color
- Available in various types of base glasses
- Can be thermally strengthened (MIRONA® standard)
- Can be processed into laminated safety glass (MIRONA® single side coated)
- Easy to clean

Applications

- Consumer electronics, cover panels for use in televisions, data display devices and projection screens, etc.
- Architecture, partition walls and design elements, etc.
- Lighting industry, light covers, etc.

Product range

| Product | Description | Light transmittance T_{VA} % | Visual reflectance P_{VA} % |
|------------------------------|--|--------------------------------------|-------------------------------------|
| MIRONA® Standard | Extra-clear low-iron float glass coated on both sides with an optical interference layer that enables defined reflection and transmission. | 63 ± 5 | 34 ± 5 |
| MIRONA® High Reflective | Extra-clear low-iron float glass coated on both sides with the "High Reflective Coating". This optical interference layer enables higher reflection and defined transmission. | 42 ± 5 | 55 ± 5 |
| MIRONA® Beamsplitter | Extra-clear low-iron float glass with an anti-reflective coating on one side and the "High Reflective Coating" on the other. This allows for a defined reflection and transmission with virtually no annoying double reflection. | 59 ± 5 | 36 ± 5 |
| MIRONA® High Reflective Grey | Grey float glass (as base glass) coated on both sides with the "High Reflective Coating," an optical interference layer that enables higher reflection and defined transmission. | 20 ± 5 | 42 ± 5 |
| MIRONA® Single side coated | MIRONA® "High Reflective" – coated on one side only. This format is used to produce laminated safety glass. | 57 ± 5 | 40 ± 5 |

Dimensions and thickness

| Dimensions (net) inches × inches (min.) | Thickness inches | Thickness tolerance inches |
|--|---------------------|-------------------------------|
| 69.7 × 50.0 | 5/32" and 1/4" | ± 0.01 |
| 125.2 × 69.7 | 5/32" and 1/4" | ± 0.01 |

Advanced Optics
 SCHOTT North America, Inc.
 555 Taxter Road
 Elmsford, NY 10523
 USA
 Phone +1 (914) 831-2240
 Fax +1 (914) 831-2346
 info.architecture@us.schott.com
 www.us.schott.com/architecture

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